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**From:** Keller, Kaitlin [keller.kaitlin@epa.gov]  
**Sent:** 4/1/2019 4:52:37 PM  
**To:** Beck, Nancy [Beck.Nancy@epa.gov]; Hanley, Mary [Hanley.Mary@epa.gov]  
**Subject:** RE: ORD comments animal alternatives  
**Attachments:** Wheeler Animal Alternatives Memo DRAFT REDLINE 4.1.2019.docx; Wheeler Animal Alternatives Memo DRAFT CLEAN 4.1.2019.docx

**Flag:** Flag for follow up

Attached is a redline and clean version that incorporates OPPT, OSCP, OPP, and most ORD comments. Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5 Will print clean versions for your discussion.

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**From:** Beck, Nancy  
**Sent:** Monday, April 01, 2019 9:57 AM  
**To:** Hanley, Mary <Hanley.Mary@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>  
**Subject:** ORD comments animal alternatives

Attached and below. we will likely discuss at 1:15 today the questions below

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Nancy B. Beck, Ph.D., DABT  
Principal Deputy Assistant Administrator, OCSP  
P: 202-564-1273  
[beck.nancy@epa.gov](mailto:beck.nancy@epa.gov)

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**From:** Orme-Zavaleta, Jennifer  
**Sent:** Monday, April 1, 2019 9:45 AM  
**To:** Beck, Nancy <[Beck.Nancy@epa.gov](mailto:Beck.Nancy@epa.gov)>  
**Cc:** Frithsen, Jeff <[Frithsen.Jeff@epa.gov](mailto:Frithsen.Jeff@epa.gov)>; Dunlap, David <[dunlap.david@epa.gov](mailto:dunlap.david@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>; Thomas, Russell <[Thomas.Russell@epa.gov](mailto:Thomas.Russell@epa.gov)>; Cascio, Wayne <[Cascio.Wayne@epa.gov](mailto:Cascio.Wayne@epa.gov)>  
**Subject:** FW: Due 10AM Monday FW: animal alternatives

Some edits

# Deliberative Process / Ex. 5

Jennifer Orme-Zavaleta, PhD  
Principal Deputy Assistant Administrator for Science  
Office of Research and Development  
US Environmental Protection Agency  
Cell 919-699-1564  
DC 202-564-6620  
RTP 919-541-2283

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**From:** Frithsen, Jeff  
**Sent:** Monday, April 1, 2019 9:05 AM  
**To:** Thomas, Russell <[Thomas.Russell@epa.gov](mailto:Thomas.Russell@epa.gov)>; Orme-Zavaleta, Jennifer <[Orme-Zavaleta.Jennifer@epa.gov](mailto:Orme-Zavaleta.Jennifer@epa.gov)>  
**Cc:** Linnenbrink, Monica <[Linnenbrink.Monica@epa.gov](mailto:Linnenbrink.Monica@epa.gov)>; Cascio, Wayne <[Cascio.Wayne@epa.gov](mailto:Cascio.Wayne@epa.gov)>; Dunlap, David <[dunlap.david@epa.gov](mailto:dunlap.david@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>  
**Subject:** RE: Due 10AM Monday FW: animal alternatives

See attached for a few suggested revisions.

## Deliberative Process / Ex. 5

Jeff

Jeffrey B. Frithsen, Ph.D.  
National Program Director  
Chemical Safety for Sustainability Research Program  
Office of Research and Development (8101R)  
202-564-3512 (office phone)  
410-336-8535 (cell phone)

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**From:** Thomas, Russell  
**Sent:** Sunday, March 31, 2019 11:10 AM  
**To:** Orme-Zavaleta, Jennifer <[Orme-Zavaleta.Jennifer@epa.gov](mailto:Orme-Zavaleta.Jennifer@epa.gov)>  
**Cc:** Frithsen, Jeff <[Frithsen.Jeff@epa.gov](mailto:Frithsen.Jeff@epa.gov)>; Linnenbrink, Monica <[Linnenbrink.Monica@epa.gov](mailto:Linnenbrink.Monica@epa.gov)>; Cascio, Wayne <[Cascio.Wayne@epa.gov](mailto:Cascio.Wayne@epa.gov)>; Dunlap, David <[dunlap.david@epa.gov](mailto:dunlap.david@epa.gov)>  
**Subject:** RE: Due 10AM Monday FW: animal alternatives

Jennifer,

I have nothing to add to the memo either. It looks good to me and given the desire/need for brevity, generally highlights the main ORD efforts and contributions.

Can I assume that you and David will respond to Nancy?

Rusty

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**From:** Cascio, Wayne  
**Sent:** Sunday, March 31, 2019 10:34 AM  
**To:** Thomas, Russell <[Thomas.Russell@epa.gov](mailto:Thomas.Russell@epa.gov)>  
**Cc:** Frithsen, Jeff <[Frithsen.Jeff@epa.gov](mailto:Frithsen.Jeff@epa.gov)>; Orme-Zavaleta, Jennifer <[Orme-Zavaleta.Jennifer@epa.gov](mailto:Orme-Zavaleta.Jennifer@epa.gov)>; Linnenbrink, Monica <[Linnenbrink.Monica@epa.gov](mailto:Linnenbrink.Monica@epa.gov)>  
**Subject:** Re: Due 10AM Monday FW: animal alternatives

Rusty - From the perspective of NHEERL I have nothing new to add to the memo. The objectives are consistent with actions we are already taking to minimize vertebrate animal use and to seek and validate alternative

methods.

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

Deliberative Process / Ex. 5

Wayne

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**From:** Thomas, Russell  
**Sent:** Friday, March 29, 2019 4:42 PM  
**To:** Cascio, Wayne  
**Cc:** Frithsen, Jeff; Orme-Zavaleta, Jennifer; Linnenbrink, Monica  
**Subject:** Fwd: Due 10AM Monday FW: animal alternatives

Wayne,

See attached and below. Let me know about any input from NHEERL. We need to funnel this to Jennifer over the weekend to pass on to OCSPP by 10 am Monday.

Rusty

Sent from my iPhone

Begin forwarded message:

**From:** "Beck, Nancy" <[Beck.Nancy@epa.gov](mailto:Beck.Nancy@epa.gov)>  
**Date:** March 29, 2019 at 3:13:34 PM EDT  
**To:** "Orme-Zavaleta, Jennifer" <[Orme-Zavaleta.Jennifer@epa.gov](mailto:Orme-Zavaleta.Jennifer@epa.gov)>, "Dunlap, David" <[dunlap.david@epa.gov](mailto:dunlap.david@epa.gov)>, "Thomas, Russell" <[Thomas.Russell@epa.gov](mailto:Thomas.Russell@epa.gov)>  
**Cc:** "Hanley, Mary" <[Hanley.Mary@epa.gov](mailto:Hanley.Mary@epa.gov)>  
**Subject:** FW: Due 10AM Monday FW: animal alternatives

Team ORD:

The Administrator has asked us to put together a memo for him to send out to all AA's encouraging approaches that move us towards eliminating animal testing. He would like to send this next week and also suggested we model it after the recent PFAS memo he sent. Attached is the first cut. Our programs are also reviewing this version and I am certain they will have some edits.

We would appreciate ORD input by 10am Monday. Its very short, although likely too long for our purposes.

Please let me know if you have questions.

Many thanks,  
Nancy

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Nancy B. Beck, Ph.D., DABT  
Principal Deputy Assistant Administrator, OCSPP  
P: 202-564-1273  
[beck.nancy@epa.gov](mailto:beck.nancy@epa.gov)

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**From:** Hanley, Mary

**Sent:** Friday, March 29, 2019 9:44 AM

**To:** Morris, Jeff <[Morris.Jeff@epa.gov](mailto:Morris.Jeff@epa.gov)>; Henry, Tala <[henry.tala@epa.gov](mailto:henry.tala@epa.gov)>; Mark Hartman (Hartman.Mark@epa.gov) <[Hartman.Mark@epa.gov](mailto:Hartman.Mark@epa.gov)>; Richard Keigwin <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>; Messina, Edward <[Messina.Edward@epa.gov](mailto:Messina.Edward@epa.gov)>; Hayley Hughes ([hughes.hayley@epa.gov](mailto:hughes.hayley@epa.gov)) <[hughes.hayley@epa.gov](mailto:hughes.hayley@epa.gov)>

**Cc:** Scheifele, Hans <[scheifele.hans@epa.gov](mailto:scheifele.hans@epa.gov)>; Susanna Blair ([Blair.Susanna@epa.gov](mailto:Blair.Susanna@epa.gov)) <[Blair.Susanna@epa.gov](mailto:Blair.Susanna@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>; Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Scarano, Louis <[Scarano.Louis@epa.gov](mailto:Scarano.Louis@epa.gov)>; Anna Lowit ([Lowit.Anna@epa.gov](mailto:Lowit.Anna@epa.gov)) <[Lowit.Anna@epa.gov](mailto:Lowit.Anna@epa.gov)>; Seema Schappelle ([Schappelle.Seema@epa.gov](mailto:Schappelle.Seema@epa.gov)) <[Schappelle.Seema@epa.gov](mailto:Schappelle.Seema@epa.gov)>; Kaitlin Keller ([keller.kaitlin@epa.gov](mailto:keller.kaitlin@epa.gov)) <[keller.kaitlin@epa.gov](mailto:keller.kaitlin@epa.gov)>

**Subject:** Due 10AM Monday FW: animal alternatives

**Importance:** High

Hello. By 10AM Monday, please provide comments on the attached draft directive from the Administrator to AA's to prioritize efforts to reduce animal testing. Please circulate to the appropriate DDs or others (I have copied Gino, Anna, Seema (from the TNT) here. We are also sharing this with ORD. Thank you!

M